

RAISING SMALL GRAINS

Early Varieties Have Best Chance to Produce Crops.

Species Grown in Eastern Russia Readily Adapted to Semi-Arid Condition in Western Part of the United States.

By MANLEY CHAMPLIN.

In the semi-arid territory there is usually a rainfall of from four to eight inches during the months of May and June. This rain gives the crop a good start, but ordinarily there is very little rain in July and early August. There is also more or less danger of hail in the latter part of July. For this reason the earlier varieties of grains have better chance to produce good crops. The late varieties spend their time and moisture prodigally in growing a tall heavy straw and find themselves in a serious position when the midsummer drought comes. They get ready to produce a bumper crop then find themselves without moisture and cannot fill, thus giving partial or total failure. The earliest varieties, therefore, are usually the best for dry farming, though some seasons may be exceptions. They do not produce very much straw. They begin heading out in the last week of June and are usually well filled before the drought gets serious.

Besides earliness, some kinds of small grains possess drought resistant qualities. They were developed in regions of light rainfall and sudden changes of temperature, and have become accustomed to that kind of a climate. Some of them even relish this kind of climate and will be smitten with rusts and blights and yield little or nothing if grown in humid sections. The varieties that are becoming the commercial standards in this territory were introduced originally from eastern Russia by the United States department of agriculture. The climate of eastern Russia is similar to that of our territory and the fluctuations of temperature are even more extreme. This fact has made them readily adaptable to our conditions.

Some of the varieties that have proved especially valuable and are now widely distributed are given below. The settler, when buying seed, should take every precaution to be sure that it is pure and of the variety which he thinks he is buying. There was a large amount of mixed and falsely named seed sold to new settlers in this region last spring. Losses of this kind can be best averted by buying of a neighbor or of a responsible firm.

The two-rowed barleys seem to be better adapted to this section than the six-rowed, although one six-rowed barley—the Odesa—has a good record at the South Dakota experiment station, where it has been grown for several years. It has short straw and ripens early. Kitzing and Hanna barleys are two-rowed varieties that have good records and one of the Hannas, Hanna 24, has become widely distributed. The South Dakota experiment station issued a bulletin last summer giving results and methods used in growing barley, which can be secured by those desiring to go into the barley problem.

The small yellow early oat known usually as Sixty-Day has made good and is becoming well distributed. A yield of 50 bushels or more per acre is nothing uncommon for this variety in western South Dakota and Nebraska. It is ready to cut by the middle of July, thus dodging the drought that usually begins shortly after the 4th of July. On a homestead 100 miles west of Pierre a yield of 65 bushels per acre has been obtained. This yield was produced on typical soil of the region—a heavy brown clay.

Dry Farm Wheat.

Under "Dry Farming," spring wheat should, in most cases, not be planted at all. Winter wheat is nearly always preferable. However, if it is grown, it should be planted on land which grew a cultivated crop the year previously or was in summer fallow. For most of our conditions there is very little difference in yield.

Fall plowing may be done on the hard lands if it can be done when the soil is moist. Otherwise, the surface should be double disked and left until spring. In the spring disk first and early and plow as early as possible, following the plow with disk and harrow.

Keep Poultry Healthy.

Pure air, pure water and pure food, as well as thorough cleanliness, are all essential to the chicken's health. The fowl's power to resist disease is due to these.

Feed Value of Eggs.

Eggs compared with wheat flour contain about the same amount of protein, ten times the fat and half the cal value.

One Obstacle to Happiness.

"No," declared the young man, with a touch of sadness in his voice—"it may be that some day I shall be happy, but at present it is beyond me." His companions were interested. "There is a girl I love dearly," he continued. "She would have me if I asked her, but I dare not. I really cannot marry and live on \$10,000 a year."

Consternation and pity were depicted on the faces of his friends.

"You can't marry on \$10,000 a year?" asked one. "Why not?"

"Why not?" echoed the youth. "Simply because I haven't the \$10,000!"

PIMPLES ON FACE AND ARMS

411 Howard St., Dayton, Ohio.—"About a year ago my face, neck, arms and back were beginning to become afflicted with pimples and blackheads. My pimples would get very large and appear to come to a head. If I tried to open them the pain would be terrible, but nothing could be taken from them. They itched very badly; I suffered terribly from itching. After scratching, the pimples would swell and after the swelling was gone my face would become very red and remain so for some time. My clothing caused the itching to be worse. When it was warm it was utterly impossible to sleep.

"I used a cream and the more I used the worse they got. Shortly after, I read the advertisement of Cuticura Soap and Ointment and determined to use them. The itching stopped almost immediately. This was about three months ago and I am entirely cured now." (Signed) Miss Marguerite E. Jacobs, Jan. 13, 1913.

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Lucky.

Hobo—I've eaten nothing but snowballs for three days.

Lady—You poor man! What would you have done had it been summer time?

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Paw—To cure it, my son.

Willie—Well, why don't they send for the curate instead of the doctor?

Paw—You go to bed, Willie.—Cincinnati Enquirer.

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EMBLEM OF A NOBLE WORK

Double Red Cross, Symbol of War Against Tuberculosis, Was Devised by French Doctor.

The double red cross, the symbol of the war against tuberculosis, was first adopted as the symbol of the International Anti-Tuberculosis association in Berlin in October, 1902. The proposer of the symbol was Dr. G. Seriron of Paris, who is now associated secretary of L'Association Centrale Française Contre la Tuberculose. Today the emblem used by anti-tuberculosis workers in every part of the world, even in Iceland, India, South Africa, Labrador, Japan, China and the Philippines. The double red cross is similar in shape to a cross used frequently in the Greek Catholic churches, and also to the Lorrain cross of France. In the United States over 1,200 anti-tuberculosis associations and committees; nearly 550 sanatoria and hospitals; 400 dispensaries and about 200 open air schools, besides a number of other organizations, are using the double red cross as their emblem. Wherever it is seen, it means war against tuberculosis.

Mrs. Winslow's Soothing Syrup for Children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, 25c a bottle.

Turkish Crops All Good.

Turkish crops this year are to be exceptionally good. In the farmer districts the crops have already been gathered in and in the hilly parts of Asia Minor a beginning is now being made. Although nearly all the males capable of bearing arms in Asia Minor were called to the front, 20 per cent. more land was put under cultivation than in 1912 and many of the grain crops will be four or five times as big as last year.

Reminding Him.

The engagement was broken. "And so it is all over?" spake a sympathetic friend.

"Yes," answered the ex-fiance; "she said she would never have anything to do with me again."

"Then why this distraught mien, seeing that the damsel appealed not unto thee?"

"She writes to me every day asking me to try to forget her."

Self-Evident Fact.

"Are you going to attend Mrs. Snapper's musicale?"

"Do you observe any strong-armed individuals propelling me by main force in the direction of Mrs. Snapper's villa?"

"I do not."

"Then you may surmise that I am not going to attend Mrs. Snapper's musicale."

The Similarity.

"Many a poor fellow in proposing finds himself like a champagne bottle."

"How is that?"

"First he pops and then he effervesces, only to find it is all a fizzle."

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